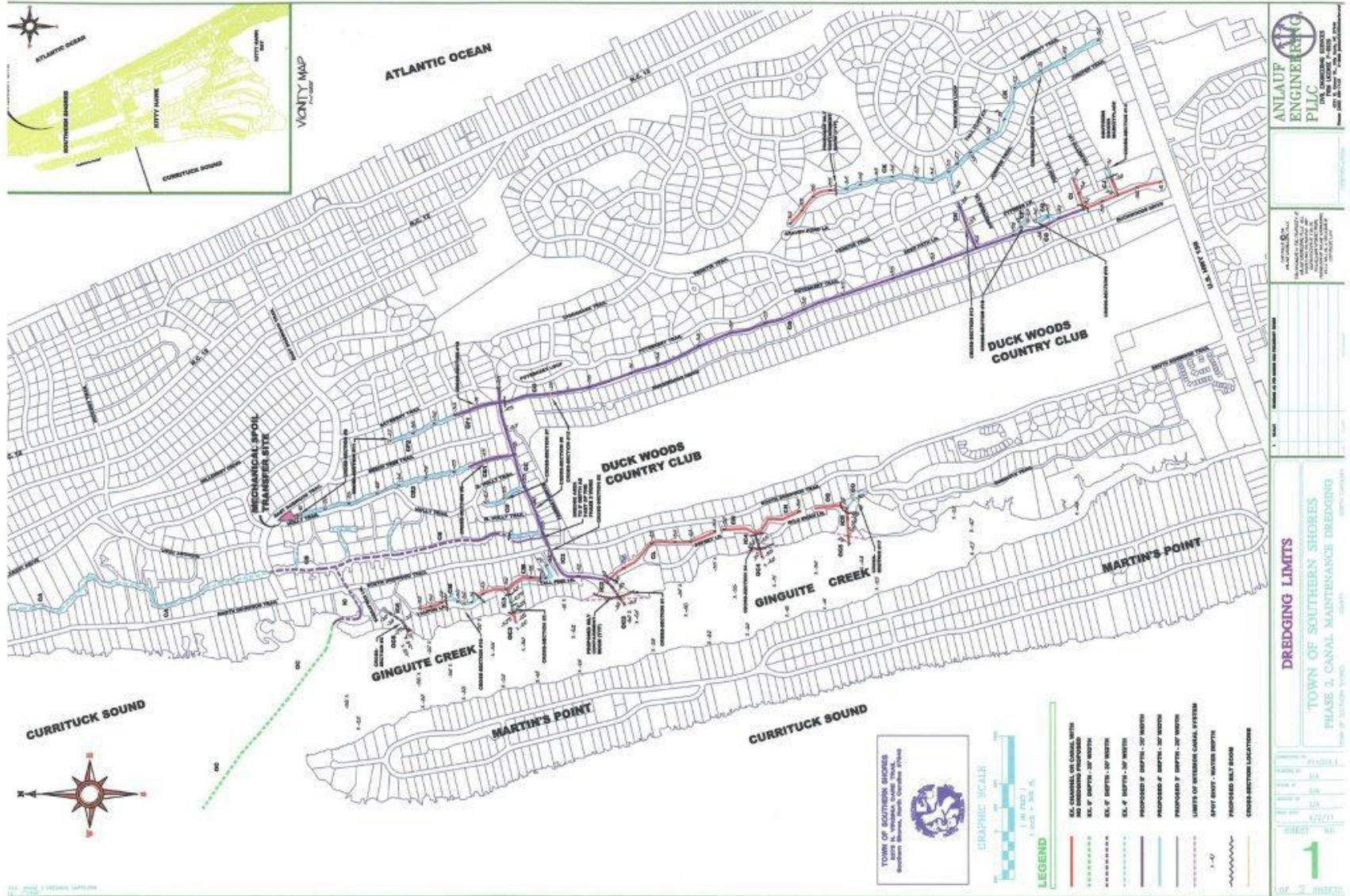


Current Physical Status of Town-owned Canals

Town of Southern Shores, NC

November 15, 2011





Dredging Limits-work completed and work to be done

Miles of Town-owned Canals	7.0
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Miles maintenance dredged in 2010-11*	2.5
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Miles Town-owned remaining un-dredged	5.0
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*includes main channel in Guinguite Bay



Total number of properties in Town	3,061
Total linear feet of canal bank	+/- 62,000 ft
Total number of properties riparian to canals	483
% Canal-front properties w/ shoreline stabilization*	73%
% Canal-front properties w/out shoreline stabilization* (majority are undeveloped, or SSCA or CPOA properties)	27%

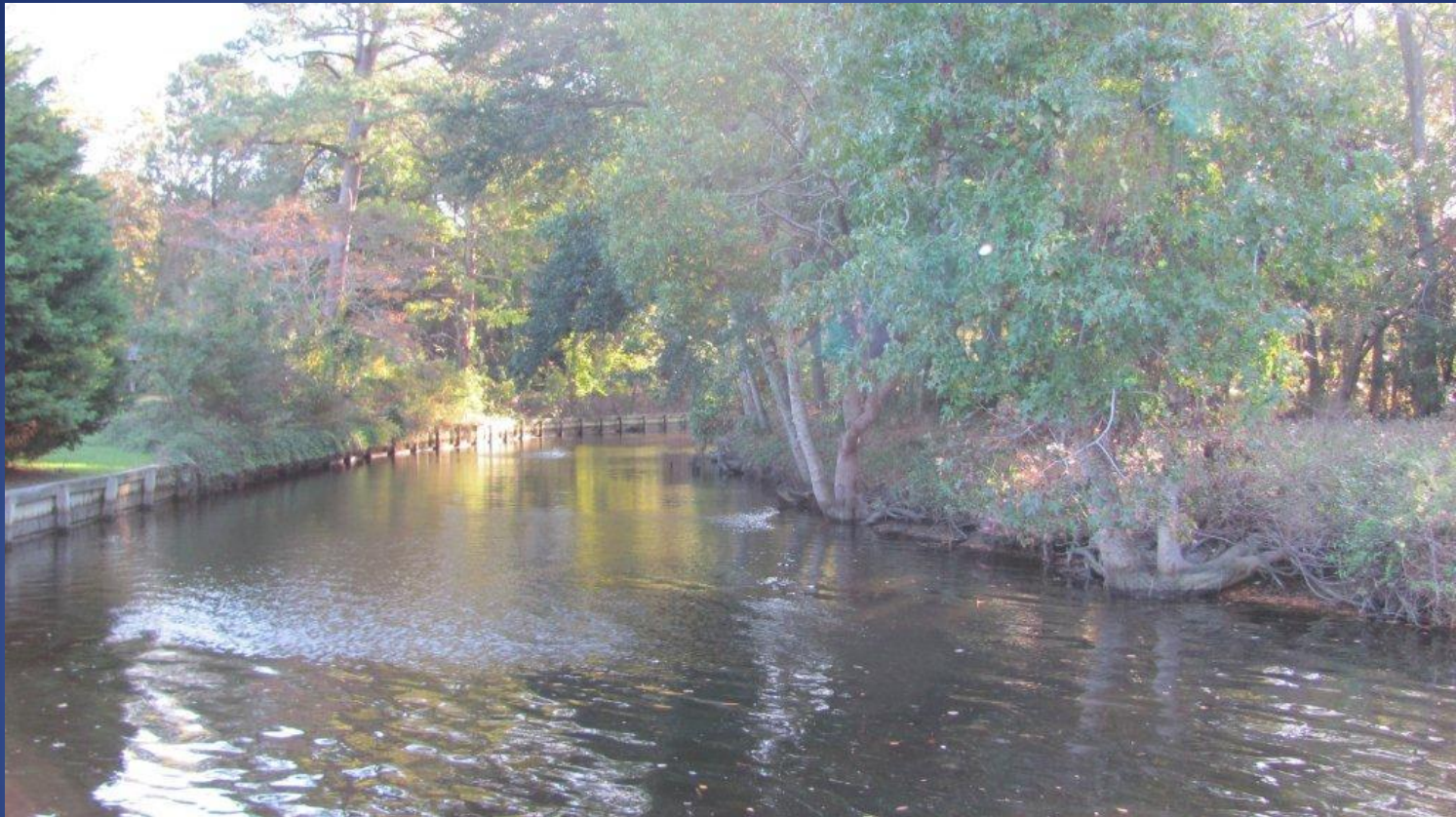
*Bulkhead, rip-rap, or vegetated buffer



Large trees close to canal – threaten shoreline stability
Culvert Bridge Canal



Large trees too close to the waters edge
Duck Woods Drive



Comparing stabilized shoreline with un-stabilized/natural
Live Oak Ln.



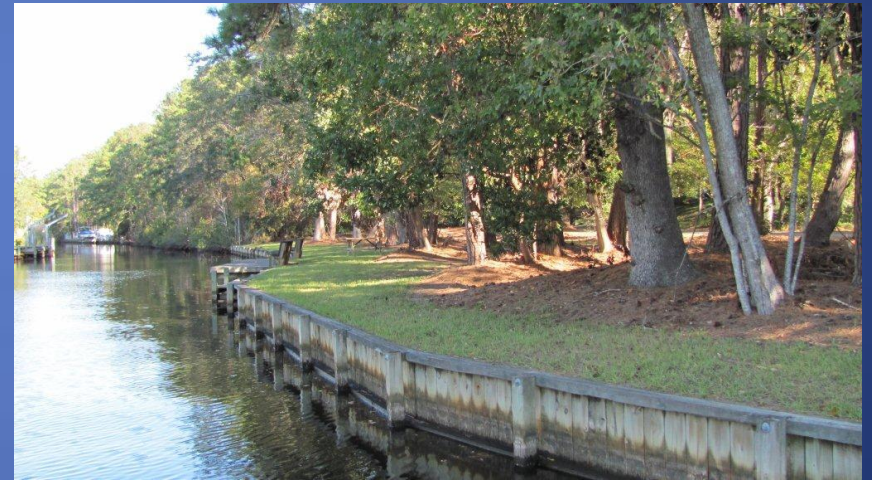
Storm damage-canal front trees-Gravey Pond east side



Bulkhead damage from large tree uprooted during Hurricane Irene
East of Tall Pine Bridge

Bulkhead with trees closer than 20 ft. removed. This reduces potential for bulkhead damage and limb breakage into canals.

CPOA-Poteskeet Trail





Vinyl bulkhead and rip-rap
Phase 1 spoil site



Shoreline stabilized with rip-rap
Duck Woods Drive



Shoreline stabilized with turf
Low traffic shoreline - North Dogwood

Most Vulnerable Shorelines:

- 1.Those in high traffic areas with no shoreline stabilization
- 2.Those with major hardwood or evergreen trees closer than 15 feet